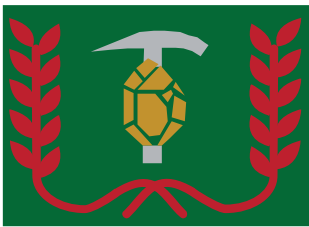


# geologist

Name: \_\_\_\_\_



Requirements	Passed
1. Make a collection of 20 different geological specimens stored in boxes suitably labelled and cross referenced to a field notebook in which the following are recorded: a) Specimen identification. b) Exact locality. c) Date of collection.	
2. Explain the difference between a rock, a mineral and a crystal and name common example of each found in South Africa.	
3. Explain the difference between sedimentary, igneous & metamorphic rocks and be able to relate how each are formed. Discuss any factors influencing these formations. Name three different rocks from each category.	
4. Have a reasonable knowledge of the geological history South Africa (Super Groups and ages) and discuss the economic importance and location of the most mineral rich areas in South Africa.	
5. Have a knowledge of the following and be able to demonstrate in a practical way an ability to read a geological map and from the map draw cross-sections of the following: a) Normal Fault b) Reverse Fault c) Wrench Fault d) Unconformity e) Anticline and Syncline f) Folding.	
6. Demonstrate a reasonable knowledge of tectonic plate movements and the effect of this on the geology of the continents. The discussion should include transform, divergent and convergent boundaries.	
7. Undertake a walk in the field, of at least one kilometre with the examiner and point out geological features explaining what they are.	

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**Badge Awarded**

